

## **RAW SEQUENCE LISTING**

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Application Serial Number: 09/415,795B  
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## RAW SEQUENCE LISTING

DATE: 02/02/2006

PATENT APPLICATION: US/09/415,795B

TIME: 09:04:23

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3 <110> APPLICANT: ZHOU, PENGBO  
 4 HOWLEY, PETER M.  
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 7 PROTEIN LIGASES  
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 11 <140> CURRENT APPLICATION NUMBER: 09/415,795B  
 12 <141> CURRENT FILING DATE: 1999-10-08  
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231 agggcgagata tttctaaaag aaggataacg gaggagcttt ctataacagg agaaaaattg 12180
232 gacacgcaat taaacgattt aagagtttct ttgaatgaga aaaacgccct tcatactgaa 12240
233 cgtttgacag agctgaaaaa attacaatct gatattgaat ctgctaataa tcaagaatac 12300
234 gacttaaatt tcaagttgag ggaaacgttg gttaagatcg atgacttgag tgctaataca 12360
235 agagaaacaa tgaaagaaag aaaactaaga gaaaatatag caatgttgaa aagattcttc 12420
236 cccggagtaa aaggctcttg tcatgatctt tgtcacccaa aaaaggagaa atatggcttg 12480
237 gcagtgtcta ccatcttagg taagaacttt gattccgtca ttgtagaaaa ttaaccgta 12540
238 gctcaagaat gcattgcatt tttgaagaag caacgtgcgg gcactgcac tttcatacca 12600
239 ctagacacaa ttgagacaga gttacctaca ttatcattgc ctgactcaca agactatatt 12660
240 ttatcaatta atgctattga ctacgagccg gaatatgaaa aagcgatgca atatgtgtgt 12720
241 ggcgattcca tcatatgtaa tacgttgaat attgctaaag atctgaaatg gaaaaagggc 12780
242 ataagaggca aattggttac aattgaagggt gctttgatcc acaaggccgg tttgatgaca 12840
243 ggtggtatat caggagatgc caataatagg tgggataaag aagaatatca agcttaatg 12900
244 tctttaaaag acaaattact aatccaaatc gatgaacttt ccaacgggtca acgctctaat 12960
245 tcaatcagag caagagaagt tgaaaatagt gtttcactat tgaactcgga catagcaaat 13020
246 ttgagaactc aagtaacaca acaaaaacgc tccttggtatg aaaatcgttt agagattaag 13080
247 taccataatg acttgataga gaaagaaatt caaccgaaga taactgaact aaagaagaag 13140
248 ctagatgatt tagaaaatac taaagataat ttagtgaaag agaaggaggc tttacaaaat 13200
249 aatattttca aagaattcac tagtaaaatt ggctttacaa tcaaagaata tgaaaatcat 13260
250 tccggtgaat tgatgagaca acaatctaaa gaattacagc agttacaaaa acaaattttg 13320
251 accgttgaaa ataagttgca gtttgagaca gacagactaa gtactactca aagaagatat 13380

```

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 02/02/2006  
PATENT APPLICATION: US/09/415,795B      TIME: 09:04:24

Input Set : A:\HNV04301.APP.txt  
Output Set: N:\CRF4\02022006\I415795B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:14; Xaa Pos. 3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23

Seq#:14; Xaa Pos. 24,26,27,28,29,30

Seq#:17; Xaa Pos. 1,2,3

Seq#:33; N Pos. 20

**VERIFICATION SUMMARY**

DATE: 02/02/2006

PATENT APPLICATION: US/09/415,795B

TIME: 09:04:24

Input Set : A:\HNV04301.APP.txt

Output Set: N:\CRF4\02022006\I415795B.raw

L:2143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0

M:341 Repeated in SeqNo=14

L:2200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0

L:2510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0